BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division,

SCHEDULE-B

NAME OF WORK: Drilling of Borewell in Bhuvaneshwari Nagara and Surrounding Area Bagalagunt ward no 14

Sl. No	Description of work	Unit	Qty	Rates Quoted by Contractor MADHAVA REDDY	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Geophysical investigation of site for Sinking borewell for supplying drinking water to the habitations either through the hand pump,MWS,PWS by vertical electrical sounding by adpoting venner or Schlumberger's method,including reconnaissance survey of Geological formation. Geophysical investigation of existing ground water in the vicinity,indicating the location of site,recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0meter in consolidation formation for proper seating of casing pipe,depth of drilling required to cover full depth of aquifer proposed to be tapped,probable yield and other inflomation required including transportation of instrument and accessories to work site,engaging technical personal and labour required etc, ---- As per KTPP Act KW3	Each	5	3200.0	Rupees Three Thousand Two Hundred Only
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over burden upto 20 M fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicals, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour .(excluding cost of casing pipes, collars, cap ect.) 0 - 50.00 ---- As per KTPP Act KW3	Mtr	250	300.0	Rupees Three Hundred Only
3	50.00 - 100.00 ---- As per KTPP Act KW3	Mtr	250	400.0	Rupees Four Hundred Only
4	100.00 - 150.00 ---- As per KTPP Act KW3	Mtr	250	400.0	Rupees Four Hundred Only
5	150.00 - 200.00 ---- As per KTPP Act KW3	Mtr	250	500.0	Rupees Five Hundred Only
6	200.00 - 250.00 ---- As per KTPP Act KW3	Mtr	250	600.0	Rupees Six Hundred Only
7	250.00 - 300.00 ---- As per KTPP Act KW3	Mtr	250	700.0	Rupees Seven Hundred Only
8	300.00 - 350.00 ---- As per KTPP Act KW3	Mtr	250	800.0	Rupees Eight Hundred Only
9	350.00 - 400.00 ---- As per KTPP Act KW3	Mtr	54	900.0	Rupees Nine Hundred Only

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10	Supply of ISI mark 175MM nominal bore plain end Steel casing pipe-grade of steel Fe.410, of wall thickness 5.4 mm thick conforming to IS 4270:2001 and lates amendments electric resistance welded steel tube material and conforming to IS 1387/1993 & manufactured by basic open hearth electric or basic oxygen process in random length of 4 to 7 mtrs. Both ends threaded conforming to IS 554/1985. one end fixed with a socket conforming to IS 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight, should be with ISI marking, weighing 25.10 kg/mtr (inclusive of all taxes and duties)-Prices include Collar-medium duty. ---- As per KTPP Act KW3	Rmt	250	1000.0	Rupees One Thousand Only
11	Providing and fixing 250mm dia PVC pipe and as per specification and directions. ---- As per KTPP Act KW3	Rmt	30	1000.0	Rupees One Thousand Only
12	Providing and lying at site of work 175mm thick MS casing caps as per IS 1239 (part-II) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colors shall be strictly as per IS 1239 (part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete withh all lead and lifts and as directed by the Engineer in charge. ---- As per KTPP Act KW3	Each	5	100.0	Rupees One Hundred Only
13	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings. ---- As per KTPP Act KW3	Nos	5	60000.0	Rupees Sixty Thousand Only
14	Providing laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead 7 lift etc,. ---- As per KTPP Act KW3	Rmtr	1500	500.0	Rupees Five Hundred Only
15	Supply of 50mm M.S collars (PWD SR-2018-19, P.No.XLVII Sl .No 2) ---- As per KTPP Act KW3	Each	250	200.0	Rupees Two Hundred Only

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16	Supply and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS : 8130-1984, and virgin PVC Sheated suitable for working voltage upto 1100 Volts as per IS : 694 : 1990. 3C X 6.0Sq.mm ---- As per KTPP Act KW3	Mtr	3200	180.0	Rupees One Hundred Eighty Only
17	Supplying and delivery at site brand new star / Essen/ Lotus/Sun-shines/Adarsh/ GK Controls best indigenous make combined energy meter - cum- control panel board unit of size 1200x600 x300 mm minimum mechanically strong vermin and water proof. The unit shall have two detachable doors suitable for operation on 3 ph, 50Hz, 380/440 volts, A.C supply with spring loaded latch, locking device with a key ribs should be provided inside the door, canopy apron and louvers ventilators shall be provided. the combined energy meter cum- control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc, completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR) ---- As per KTPP Act KW3	Nos	5	14000.0	Rupees Fourteen Thousand Only
18	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sq cm ---- As per KTPP Act KW3	Sq.Cm	110000	0.4	Forty Paise Only
19	Providing & Fixing of clamps set and borewell cap to the pump ---- As per KTPP Act KW3	set	5	1500.0	Rupees One Thousand Five Hundred Only
20	Supply and delivery at site brand New best make non-return valve as per IS 778/1984 with ISI mark and as per its latest amendments, Size - 50mm. ---- As per KTPP Act KW3	Nos	5	1000.0	Rupees One Thousand Only
21	Supply and delivery at site of brand new best make gate valve as per IS 778/1984 with ISI Mark and as per its latest amendments, Size-50mm ---- As per KTPP Act KW3	Nos	5	1000.0	Rupees One Thousand Only
22	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI bend confirming to IS 1239-II, 1991 with latest amendments if any. ---- As per KTPP Act KW3	Nos	5	200.0	Rupees Two Hundred Only
23	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any. ---- As per KTPP Act KW3	Nos	5	150.0	Rupees One Hundred Fifty Only

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24	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI elbow confirming to IS 1239-II, 1991 with latest amendments if any. ---- As per KTPP Act KW3	Nos	5	150.0	Rupees One Hundred Fifty Only
25	Labour charges for Erection, Electrification and commissioning of pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, borewell caps, cable and water tight gland able protectors, bolts, nuts, valve and gauges, tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work. ---- As per KTPP Act KW3	Job	5	5000.0	Rupees Five Thousand Only
26	Labour charges for Erection of indoor type panel board and meter board units with all necessary materials and labour tools and equipments including cement concrete for foundation/bed etc, complete as per specifications, with testing of as per instruction of engineer incharge of work. ---- As per KTPP Act KW3	Nos	5	1000.0	Rupees One Thousand Only
27	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, Indicator ON/OFF, Energy cross - 3 with short circuit breaking capacity of 10k and complete wiring as required confirming to IEC 60898, 40 Amos DP. ---- As per KTPP Act KW3	Each	5	1200.0	Rupees One Thousand Two Hundred Only
28	Supplying and lying of L.T.U.G Cable having aluminium conductor PVC insulated shethed galvanished steel wire/steel tape armoured cable with PVC outer sheathing. ---- As per KTPP Act KW3	Mtr	175	120.0	Rupees One Hundred Twenty Only
29	Digging of trenches of 0.6mm x 0.50 mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces (as per Civil SR KSRB 1-2, P-7) ---- As per KTPP Act KW3	Mtr	175	70.0	Rupees Seventy Only
30	Suppying and fixing Class-A GI pipe on pole /wall/ drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm ---- As per KTPP Act KW3	Mtr	15	300.0	Rupees Three Hundred Only
31	Supplying, fixing, wiring, earth electrode for grounding circuits, I.C cutouts and other equipments on the meter board in the pit. The pit should be filled up with equal propotion of solt and charcoal 150 mm around the pipe to complete depth. The connection from the pipe to the conduits etc., is to be established through GI wire of size, as per clause 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 12 mm dia, ---- As per KTPP Act KW3	Job	5	3600.0	Rupees Three Thousand Six Hundred Only

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32	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.,with all lead and lift, loading, unloading and labour charges etc., complete and as per the directions of the Engineer-in-charge of the work ---- As per KTPP Act KW3	Nos	5	450.0	Rupees Four Hundred Fifty Only
33	Suppying fixing and wiring haevy duty low voltage capacitors confirming to IS 2834, 3phase 400/400 volts grade, for power Factor improvement of roating machinery like induction motor. ---- As per KTPP Act KW3	KVAR	5	400.0	Rupees Four Hundred Only
34	Supply and fixing of polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., ---- As per KTPP Act KW3	Each	5	280.0	Rupees Two Hundred Eighty Only
35	KPTCL Deposit charges ---- As per KTPP Act KW3	L/S	5	9000.0	Rupees Nine Thousand Only
36	Borewell registration charges per Rs 1000 each for BWSSB ---- As per KTPP Act KW3	Each	5	800.0	Rupees Eight Hundred Only
37	KSRB2-2-2 : Eatthwork excavation for foundation of building water supply,sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavation soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specification. ---- As per KTPP Act KW3	Cum	278.78	280.0	Rupees Two Hundred Eighty Only
38	Providing and fixing Chorinated Poly Venyl chloride (PVC) pipes confirming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes joining of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 50mm nominal OD pipes. ---- As per KTPP Act KW3	Mtr	413	420.0	Rupees Four Hundred Twenty Only
39	KSRB M400-Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting uryshed stone aggregates of granite/trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method pf tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. ---- As per KTPP Act KW3	Cum	46.46	1800.0	Rupees One Thousand Eight Hundred Only

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40	KSRRB M2100-10. Providing and lying plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @ 0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed , placed in foundation and compacted bu vibration including curing for 14 days including cost of all materials, labour, HOM cruing, form works, scaffolding and centering complete as per specifications. ---- As per KTPP Act KW3	Cum	46.46	4900.0	Rupees Four Thousand Nine Hundred Only
41	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregates, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed 2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick pilytheme film, wedges, steel plates including levelling the form work as per drawing). Speading the concrete with shovels, rackers, compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications - M30 ---- As per KTPP Act KW3	Cum	46.46	4900.0	Rupees Four Thousand Nine Hundred Only
42	filling available earth around pipe lines cable in layers not exceeding 20cms. In depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications. ---- As per KTPP Act KW3	Cum	139.39	180.0	Rupees One Hundred Eighty Only

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